Name of Work : UGD Works and Sinking of Borewell, Laying of Pipeline in Ward No 14, Nagalagunte

DASARAHALLI DIVISION — T DASARAHALLI SUB DIVISION

Estimate Cost:-100.00 Lakhs — **JOB CODE: 014-19-000046**

Head of Account:- P-3295 14TH FINANCE

Agency:-Sri R SHIVARAM, #4-13,AVALAMMA CHOULTRY LAYOUT, MAGADI ROAD, BANGALORE-23

Work Order No:- : EE/DD/WO/136/2020-21 — Date-27-11-2020

DETAILED MEASUREMENTS

Recorded on:-

BOQ Item No	Description Of item of work		Measurements			Quantity	Units	Rate	Amount
			Length	Breath	Depth				
1	2	4	5	6	7	8	9	10	11
1	Geophysical survey geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the hand pumps, MWS or PWSS by vertical electrical sounding by adopting venner or schlumbergers's method including recconnaisance suevey of geological formation Geophysical investigation of existing ground Water in the vicinity. its quality , quality & acceptabality of the users indicating the location of the site recommendeddepth of casing pipe required to seal the tope unconsolidated formation including an extra depth 1.0 metre in consolidated formation for aquire proposed to be tapped propable yield and other information required including transportation of instrument and accessories to work site, engating technical personal and labour.								
	NAVY LAYOUT	1				1.00			
	KIRLOSKAR LAYOUT	1				1.00			
	MHR LAYOUT	1				1.00			
	SAHYADRI LAYOUT	1				1.00			
	NMH LAYOUT	1				1.00			
			Total Qty			5.00	Each	2026.65	10133.00

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Assistant Engineer-14 30/11/20

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Measurements continued on 4 | 12 | 20

2	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified.(0.00-50.00 m)								
	NAVY LAYOUT								
	0.00 to 50.00 mtrs	1	50.00			50.00			
	KIRLOSKAR LAYOUT								
	0.00 to 50.00 mtrs	1	50.00			50.00			
	MHR LAYOUT								
	0.00 to 50.00 mtrs	1	50.00			50.00			
	SAHYADRI LAYOUT								
	0.00 to 50.00 mtrs	1	50.00			50.00			
	NMH LAYOUT								
	0.00 to 50.00 mtrs	1	50.00			50.00			
			Total Qty			**250.00**	**Rmtr**	**329.52**	82380.00
3	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified.(0.50-100.00 m)								
	NAVY LAYOUT								
	50mtr to 100.00 mtr	1	50.00			50.00			
	KIRLOSKAR LAYOUT								
	50mtr to 100.00 mtr	1	50.00			50.00			
	MHR LAYOUT								
	50mtr to 100.00 mtr	1	50.00			50.00			
	SAHYADRI LAYOUT								
	50mtr to 100.00 mtr	1	50.00			50.00			
	NMH LAYOUT								
	50mtr to 100.00 mtr	1	50.00			50.00			
			Total Qty			**250.00**	**Rmtr**	**431.37**	107843.00
4	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified.(100.00-150.00 m)								
	NAVY LAYOUT								
	100.00 to 150.00 mtr	1	50.00			50.00			
	KIRLOSKAR LAYOUT								
	100.00 to 150.00 mtr	1	50.00			50.00			
	MHR LAYOUT								
	100.00 to 150.00 mtr	1	50.00			50.00			
	SAHYADRI LAYOUT								
	100.00 to 150.00 mtr	1	50.00			50.00			
	NMH LAYOUT								
	100.00 to 150.00 mtr	1	50.00			50.00			
			Total Qty			**250.00**	**Rmtr**	**479.20**	119800.00

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5	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified.(150.00-200.00 m)								
	NAVY LAYOUT								
	150.00 to 200.00 mtr	1	50.00			50.00			
	KIRLOSKAR LAYOUT								
	150.00 to 200.00 mtr	1	50.00			50.00			
	MHR LAYOUT								
	150.00 to 200.00 mtr	1	50.00			50.00			
	SAHYADRI LAYOUT								
	150.00 to 200.00 mtr	1	50.00			50.00			
	NMH LAYOUT								
	150.00 to 200.00 mtr	1	50.00			50.00			
			Total Qty			250.00	Rmtr	506.12	126530.00
6	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified.(200.00-250.00 m)								
	NAVY LAYOUT								
	200.00 to 250.00 mtr	1	50.00			50.00			
	KIRLOSKAR LAYOUT								
	200.00 to 250.00 mtr	1	50.00			50.00			
	MHR LAYOUT								
	200.00 to 250.00 mtr	1	50.00			50.00			
	SAHYADRI LAYOUT								
	200.00 to 250.00 mtr	1	50.00			50.00			
	NMH LAYOUT								
	200.00 to 250.00 mtr	1	50.00			50.00			
			Total Qty			250.00	Rmtr	585.81	146453.00
7	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified.(250.00-300.00 m)								
	NAVY LAYOUT								
	250.00 to 300.00 mtr	1	50.00			50.00			
	KIRLOSKAR LAYOUT								
	250.00 to 300.00 mtr	1	50.00			50.00			
	MHR LAYOUT								
	250.00 to 300.00 mtr	1	50.00			50.00			
	SAHYADRI LAYOUT								
	250.00 to 300.00 mtr	1	50.00			50.00			
	NMH LAYOUT								
	250.00 to 300.00 mtr	1	50.00			50.00			
			Total Qty			250.00	Rmtr	690.54	172635.00
8	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified.(300.00-350.00 m)								

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	NAVY LAYOUT								
	300.00 to 350.00 mtr	1	50.00			50.00			
	KIRLOSKAR LAYOUT								
	300.00 to 350.00 mtr	1	50.00			50.00			
	MHR LAYOUT								
	300.00 to 350.00 mtr	1	50.00			50.00			
	SAHYADRI LAYOUT								
	300.00 to 350.00 mtr	1	50.00			50.00			
	NMH LAYOUT								
	300.00 to 350.00 mtr	1	50.00			50.00			
			Total Qty			250.00	Rmtr	669.74	167435.00
9	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified.(350.00-400.00 m)								
	NAVY LAYOUT								
	350.00 to 358.00 mtr	1	8.00			8.00			
	KIRLOSKAR LAYOUT								
	350.00 to 360.00 mtr	1	10.00			10.00			
	MHR LAYOUT								
	350.00 to 360.00 mtr	1	10.00			10.00			
	SAHYADRI LAYOUT								
	350.00 to 360.00 mtr	1	10.00			10.00			
	NMH LAYOUT								
	350.00 to 360.00 mtr	1	10.00			10.00			
			Total Qty			48.00	Rmtr	708.57	34011.00
10	Supply of ISI Mark 175mm Nominal bore ,plain end steel Casing pipe- grade of steel Fee 410 of wall thickness 5.4 mm thick confirming to IS 1387/1933 and manufactured by basic open hearth electric or basic oxygen process in random lenth of 5 to 7mtrs. Both ends threaded Confirming to IS 554/1985, One end fixed with a Socket Confirming to IS 4270:2001 and the other end with Screwed pipes . All pipes shall be reasonably free from defectes. The tube shall be reasonably straight,should be with ISI marking, weighing 25.10kg/mtr.								
	NAVY LAYOUT	1	84.00			84.00			
	KIRLOSKAR LAYOUT	1	72.00			72.00			
	MHR LAYOUT	1	84.00			84.00			
	SAHYADRI LAYOUT	1	84.00			84.00			
	NMH LAYOUT	1	84.00			84.00			
			Total Qty			408.00	MTR	1,385.28	565194.00
11	Providing and Fixing 250mm dia PVC pipe and as per Specification and Direction								
	NAVY LAYOUT	1	18.00			18.00			
	KIRLOSKAR LAYOUT	1	18.00			18.00			
	MHR LAYOUT	1	18.00			18.00			
	SAHYADRI LAYOUT	1	18.00			18.00			
	NMH LAYOUT	1	18.00			18.00			
			Total Qty			90.00	Each	1,133.00	101970.00
12	Providing 175 mm dia MS Collar								
	NAVY LAYOUT	8				8.00			
	KIRLOSKAR LAYOUT	8				8.00			
	MHR LAYOUT	8				8.00			
	SAHYADRI LAYOUT	8				8.00			
	NMH LAYOUT	8				8.00			
			Total Qty			40.00	Each	156.82	6273.00

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13	Providing 175 mm dia MS Cap								
	NAVY LAYOUT	1				1.00			
	KIRLOSKAR LAYOUT	1				1.00			
	MHR LAYOUT	1				1.00			
	SAHYADRI LAYOUT	1				1.00			
	NMH LAYOUT	1				1.00			
			Total Qty			5.00	Each	104.55	523.00

Assistant Engineer-14

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Assistant Executive Engineer
T Dasarahalli Sub-Division , BBMP

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Measurements continued on 7 | 12 | 20

14	Supply and delivery at site brand new submersible pumpset suitable for borewell of 165mm dia and having the declared duty conditions as detailed below and satisfying performance Characteristics for pump and motor as declared by the bureau of indian stand. the pumpset should conform to IS : 8034-1989 (With all its latest amendments) and Should bear ISI Certification mark IS : 8034-1989 Sub mercible pumpset 20HP 40 stage Texmo/Taro or equalents Brands								
	NAVY LAYOUT	1				1.00			
	KIRLOSKAR LAYOUT	1				1.00			
	MHR LAYOUT	1				1.00			
	BHUMIKA LAYOUT(GANESH TEMPLE)	1				1.00			
	NMH LAYOUT	1				1.00			
			Total Qty			5.00	NO	89,073.98	445370.00
15	Providing and fixing of 50mm G.I pipe 'C' class heavy duty for erection of submersible pumpset galvanised tube 50mm supply ad delivary of cause heavy duty as per IS/239/1990								
	NAVY LAYOUT	1	300.00			300.00			
	KIRLOSKAR LAYOUT	1	300.00			300.00			
	MHR LAYOUT	1	300.00			300.00			
	BHUMIKA LAYOUT(GANESH TEMPLE)	1	300.00			300.00			
	NMH LAYOUT	1	275.00			275.00			
			Total Qty			1475.00	Mtrs	459.91	678367.00
16	Supplying and Drawing 3 core Flat PVC Shalted Submersible Pump Cable Manufactured with Electrolytic Grade Copper with Flexible copper conductor to table 3 class 5 of IS 8130-1984 and Virgen PVC insulation and Sheeated Suitable for working Voltage Upto 1100 Volts								
	NAVY LAYOUT	1	600.00			600.00			
	KIRLOSKAR LAYOUT	1	600.00			600.00			
	MHR LAYOUT	1	600.00			600.00			
	BHUMIKA LAYOUT(GANESH TEMPLE)	1	600.00			600.00			
	NMH LAYOUT	1	550.00			550.00			
			Total Qty			2950.00	Mtrs	171.76	506692.00
17	Supplying and delivery at site brand new star / Essen / Lotus / Sun shines / Adharsh / GK Controls best indigenous make combined energy meter cum control panel board unit of size 1200x600x350mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for opration on 3ph, 50 hz, 380/440 volts, AC supply with spring loaded latch, locking device with a key ribs should be provided inside the door canopy apron and louvers ventilators shall be provided the combined energy meter cum control panel board unit suitable for operation on 3ph, 50 hz, 380/440 volts AC supply shall be consists etc., complete the panel board shall be consist etc., complete the panel board shall be fabricated on single unit in the above componenets panel board for suitable pumpset with star delta staretr out door type 10hp to 15 hp								
	NAVY LAYOUT	1				1.00			
	KIRLOSKAR LAYOUT	1				1.00			
	MHR LAYOUT	1				1.00			
	BHUMIKA LAYOUT(GANESH TEMPLE)	1				1.00			
	NMH LAYOUT	1				1.00			
			Total Qty			5.00	No	15,473.40	77367.00
18	Fabricating Supplying and mounting MS Box of 16 SWG suitable for floor/ wall mounting fully weather proof with provision for better hear description, 9Providing with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamp with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primes paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 Sq cm								

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	NAVY LAYOUT	1	1100.00	20.00		22,000.00			
	KIRLOSKAR LAYOUT	1	1100.00	20.00		22,000.00			
	MHR LAYOUT	1	1100.00	20.00		22,000.00			
	BHUMIKA LAYOUT(GANESH TEMPLE)	1	1100.00	20.00		22,000.00			
	NMH LAYOUT	1	1100.00	20.00		22,000.00			
			Total Qty			110000.00	Sqm	0.36	39600.00
19	Providing & Fixing of Clamps set and Borewell cap to the pump 9MR								
	NAVY LAYOUT	1				1.00			
	KIRLOSKAR LAYOUT	1				1.00			
	MHR LAYOUT	1				1.00			
	BHUMIKA LAYOUT(GANESH TEMPLE)	1				1.00			
	NMH LAYOUT	1				1.00			
			Total Qty			5.00	No	1,994.81	9974.00
20	Supplying and fixing 50mm Non Return Vavle of vertical type of approved make including cost of all materials labour HOM of equipment with all leads Complete as per Specifcation								
	NAVY LAYOUT	1				1.00			
	KIRLOSKAR LAYOUT	1				1.00			
	MHR LAYOUT	1				1.00			
	BHUMIKA LAYOUT(GANESH TEMPLE)	1				1.00			
	NMH LAYOUT	1				1.00			
			Total Qty			5.00	No	1,994.81	9974.00
21	Supplying and fixing 50mm GM Gate Vavle								
	NAVY LAYOUT	1				1.00			
	KIRLOSKAR LAYOUT	1				1.00			
	MHR LAYOUT	1				1.00			
	BHUMIKA LAYOUT(GANESH TEMPLE)	1				1.00			
	NMH LAYOUT	1				1.00			
			Total Qty			5.00	No	1,994.81	9974.00
22	Providing & Fixing of 50mm GI Short bend to motor								
	NAVY LAYOUT	1				1.00			
	KIRLOSKAR LAYOUT	1				1.00			
	MHR LAYOUT	1				1.00			
	BHUMIKA LAYOUT(GANESH TEMPLE)	1				1.00			
	NMH LAYOUT	1				1.00			
			Total Qty			5.00	No	242.70	1214.00
23	Supplying and fixing 50mm GI Union								
	NAVY LAYOUT	1				1.00			
	KIRLOSKAR LAYOUT	1				1.00			
	MHR LAYOUT	1				1.00			
	BHUMIKA LAYOUT(GANESH TEMPLE)	1				1.00			
	NMH LAYOUT	1				1.00			
			Total Qty			5.00	No	247.90	1240.00

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24	Supplying and fixing 50mm GI Elbow								
	NAVY LAYOUT	1				1.00			
	KIRLOSKAR LAYOUT	1				1.00			
	MHR LAYOUT	1				1.00			
	BHUMIKA LAYOUT(GANESH TEMPLE)	1				1.00			
	NMH LAYOUT	1				1.00			
			Total Qty			5.00	No	116.88	584.00

Assistant Engineer-14

Assistant Executive Engineer
T Dasarahalli Sub-Division , BBMP

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Measurements continued on 9/12/20

25	Labour charges for laying 1.1 KV class UG cable when supplied by agencies in existing trenches GI pipe / stoneware pipe/ on pole as required								
	NAVY LAYOUT	1	20.00			20.00			
	KIRLOSKAR LAYOUT	1	20.00			20.00			
	MHR LAYOUT	1	20.00			20.00			
	BHUMIKA LAYOUT(GANESH TEMPLE)	1	20.00			20.00			
	NMH LAYOUT	1	20.00			20.00			
			Total Qty			100.00	each	94.76	9476.00
26	Erection of combined panal board and meter unit with necessary materials and labour including providing cement concrete foundation bed cont door type etc								
	NAVY LAYOUT	1				1.00			
	KIRLOSKAR LAYOUT	1				1.00			
	MHR LAYOUT	1				1.00			
	BHUMIKA LAYOUT(GANESH TEMPLE)	1				1.00			
	NMH LAYOUT	1				1.00			
			Total Qty			5.00	No	496.61	2483.00
27	Supplying and fixing miniature Circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring complete as required								
	NAVY LAYOUT	1				1.00			
	KIRLOSKAR LAYOUT	1				1.00			
	MHR LAYOUT	1				1.00			
	BHUMIKA LAYOUT(GANESH TEMPLE)	1				1.00			
	NMH LAYOUT	1				1.00			
			Total Qty			5.00	No	947.64	4738.00
28	Supplying and laying of 1.1 U.G Cable having aluminium conductor PVC insulated shethed galvanised steel wire/ steel tape armoured cable with PVC outer sheathing 1.1 K V class 4 crore 16 sqmm cable 9Confirming to IS 1554								
	NAVY LAYOUT	1	10.00			10.00			
	KIRLOSKAR LAYOUT	1	10.00			10.00			
	MHR LAYOUT	1	10.00			10.00			
	BHUMIKA LAYOUT(GANESH TEMPLE)	1	10.00			10.00			
	NMH LAYOUT	1	10.00			10.00			
			Total Qty			50.00	Mtr	177.68	8884.00
29	Digging of trench of 0.6m deep x 0.5m wide refilling the trench to the required level and consolidating etc								
	NAVY LAYOUT	1	20.00			20.00			
	KIRLOSKAR LAYOUT	1	20.00			20.00			
	MHR LAYOUT	1	20.00			20.00			
	BHUMIKA LAYOUT(GANESH TEMPLE)	1	20.00			20.00			
	NMH LAYOUT	1	20.00			20.00			
			Total Qty			100.00	Mtr	59.22	5922.00

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30	Supplying and fixing class A GI pipe on pole/Wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class 40mm								
	NAVY LAYOUT	1	3.00			3.00			
	KIRLOSKAR LAYOUT	1	3.00			3.00			
	MHR LAYOUT	1	3.00			3.00			
	BHUMIKA LAYOUT (GANESH TEMPLE)	1	3.00			3.00			
	NMH LAYOUT	2	3.00			3.00			
			Total Qty			15.00	Mtr	260.60	3909.00

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Measurements continued on 11/12/20

31	Supplying, fixing, wiring earth electrode for grounding conduits, LC cutouts and other equipments on the meter board using 40mm dia 2.90mm thick GI pipe 2.50m long buried in a pit. The pit should be filled with equal proportion of solt and charcoal 150mm alround the pipe to complete depth. the connection from the pipe to the conduct etc., is to be established through GI wire of size as per ISI specifications 7.3.3 IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 throught holes of 122mm dia								
	NAVY LAYOUT	1	3.00			3.00			
	KIRLOSKAR LAYOUT	1	3.00			3.00			
	MHR LAYOUT	1	3.00			3.00			
	BHUMIKA LAYOUT(GANESH TEMPLE)	1	3.00			3.00			
	NMH LAYOUT	1	3.00			3.00			
			Total Qty			15.00	No	1,776.82	26652.00
32	Supply and fixing LT cast iron pot heads suitable for 1.1 KV class 16 sqmm UG cable filled with neccesary bitumen / insulating compound complete with termiinalas, clamps, bolts, nuts, washers etc								
	NAVY LAYOUT	1				1.00			
	KIRLOSKAR LAYOUT	1				1.00			
	MHR LAYOUT	1				1.00			
	BHUMIKA LAYOUT(GANESH TEMPLE)	1				1.00			
	NMH LAYOUT	1				1.00			
			Total Qty			5.00	No	284.29	1421.00
33	Supoplying Shunt capacitor's comfirming to IS 2834, 3phase 400/440 volts grade for power factor improvement of roating machinery capacitor in KVAR rating								
	NAVY LAYOUT	1				1.00			
	KIRLOSKAR LAYOUT	1				1.00			
	MHR LAYOUT	1				1.00			
	BHUMIKA LAYOUT(GANESH TEMPLE)	1				1.00			
	NMH LAYOUT	1				1.00			
			Total Qty			5.00	No	1,411.42	7057.00
34	Providing 7 Fixing Gun Metal Gate wheel valve confirming to IS Specifivation of approved make as per direction including all lead and lift etc., complete 50mm dia								
	NAVY LAYOUT	1	4.00			4.00			
	KIRLOSKAR LAYOUT	1	4.00			4.00			
	MHR LAYOUT	1	4.00			4.00			
	BHUMIKA LAYOUT(GANESH TEMPLE)	1	4.00			4.00			
	NMH LAYOUT	1	4.00			4.00			
			Total Qty			20.00	No	813.44	16269.00
35	Supplying and fixing of polished wood board made up not less than 15mm thick plank in both side with plank made out on not more than 2 piecess and fixing the same to wall using tapered inverted wooden plugs,screws etc., Size 20x20x2.5 inches								
	NAVY LAYOUT	1				1.00			
	KIRLOSKAR LAYOUT	1				1.00			
	MHR LAYOUT	1				1.00			
	BHUMIKA LAYOUT(GANESH TEMPLE)	1				1.00			
	NMH LAYOUT	1				1.00			
			Total Qty			5.00	No	325.75	1629.00

Assistant Engineer-14 11/12/20

Assistant Executive Engineer 11/12
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Measurements continued on 14/12/20

36	Earthwork excavation for foundation of buildings water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications.								
	3RD MAIN ROAD KIRLOSKAR LAYOUT	1	127.00	0.60	0.75	57.15			
	3RD CROSS ROAD MHR LAYOUT	1	96.00	0.60	0.75	43.20			
		1	62.00	0.60	0.75	27.90			
		1	68.00	0.60	0.75	30.60			
	5TH CROSS ROAD NMH LAYOUT	1	35.00	0.60	0.75	15.75			
		1	66.00	0.60	0.75	29.70			
	MANJUNATHA NAGARA 5TH CROSS	1	125.00	0.60	0.75	56.25			
	MANJUNATHA NAGARA 9TH CROSS	1	169.00	0.60	0.75	76.05			
	MANJUNATHA NAGARA 8TH& 9TH LINK ROAD	1	38.00	0.60	0.75	17.10			
	MANJUNATHA NAGARA 9TH& 10TH LINK ROAD	1	26.00	0.60	0.75	11.70			
	NAVY LAYOUT	1	320.00	0.60	0.75	144.00			
	SOUNDARYA LAYOUT 4TH CROSS	1	177.00	0.60	0.75	79.65			
	10TH CROSS VISVESWARAIAH LAYOUT	1	170.00	0.60	0.75	76.50			
	SOUNDARYA LAYOUT 3RD A MAIN	1	200.00	0.60	0.75	90.00			
	SOUNDARYA LAYOUT 4TH A MAIN	1	200.00	0.60	0.75	90.00			
	SIDDESHWARA LAYOUT 5TH A MAIN	1	150.00	0.60	0.75	67.50			
	SIDDESHWARA LAYOUT 2ND MAIN	1	250.00	0.60	0.75	112.50			
			Total Qty			1025.55	cum	497.59	510303.00

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Assistant Engineer-14

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Assistant Executive Engineer
T Dasarahalli Sub-Division , BBMP

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Measurements continued on 15/12/20

37	Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00 kgf/sq.cm working pressure of outside diameter raising mains & exposed distribution pipes with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. 63MM dia Specification								
	3RD MAIN ROAD KIRLOSKAR LAYOUT	1	127.00			127.00			
	3RD CROSS ROAD MHR LAYOUT	1	96.00			96.00			
		1	62.00			62.00			
		1	68.00			68.00			
	5TH CROSS ROAD NMH LAYOUT	1	35.00			35.00			
		1	66.00			66.00			
	MANJUNATHA NAGARA 5TH CROSS	1	125.00			125.00			
	MANJUNATHA NAGARA 9TH CROSS	1	169.00			169.00			
	MANJUNATHA NAGARA 8TH& 9TH LINK ROAD	1	38.00			38.00			
	MANJUNATHA NAGARA 9TH& 10TH LINK ROAD	1	26.00			26.00			
	NAVY LAYOUT	1	320.00			320.00			
	SOUNDARYA LAYOUT 4TH CROSS	1	177.00			177.00			
	10TH CROSS VISVESWARAIAH LAYOUT	1	170.00			170.00			
	SOUNDARYA LAYOUT 3RD A MAIN	1	200.00			200.00			
	SOUNDARYA LAYOUT 4TH A MAIN	1	200.00			200.00			
	SIDDESHWARA LAYOUT 5TH A MAIN	1	150.00			150.00			
	SIDDESHWARA LAYOUT 2ND MAIN	1	250.00			250.00			
			Total Qty			2279.00	Rmtr	412.26	939541.00

Assistant Engineer-14 15/12/20

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Measurements continued on 16/12/20

	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5m including cost of all labour complete as specifications							
	3RD MAIN ROAD KIRLOSKAR LAYOUT	1	127.00	0.60	0.60	45.72		
	3RD CROSS ROAD MHR LAYOUT	1	96.00	0.60	0.60	34.56		
		1	62.00	0.60	0.60	22.32		
		1	68.00	0.60	0.60	24.48		
	5TH CROSS ROAD NMH LAYOUT	1	35.00	0.60	0.60	12.60		
		1	66.00	0.60	0.60	23.76		
	MANJUNATHA NAGARA 5TH CROSS	1	125.00	0.60	0.60	45.00		
	MANJUNATHA NAGARA 9TH CROSS	1	169.00	0.60	0.60	60.84		
	MANJUNATHA NAGARA 8TH& 9TH LINK ROAD	1	38.00	0.60	0.60	13.68		
	MANJUNATHA NAGARA 9TH& 10TH LINK ROAD	1	26.00	0.60	0.60	9.36		
	NAVY LAYOUT	1	320.00	0.60	0.60	115.20		
	SOUNDARYA LAYOUT 4TH CROSS	1	177.00	0.60	0.60	63.72		
	10TH CROSS VISVESWARAIAH LAYOUT	1	170.00	0.60	0.60	61.20		
	SOUNDARYA LAYOUT 3RD A MAIN	1	200.00	0.60	0.60	72.00		
	SOUNDARYA LAYOUT 4TH A MAIN	1	200.00	0.60	0.60	72.00		
	SIDDESHWARA LAYOUT 5TH A MAIN	1	150.00	0.60	0.60	54.00		
	SIDDESHWARA LAYOUT 2ND MAIN	1	250.00	0.60	0.60	90.00		
			Total Qty			820.44	cum	134.09	110013.00

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asurements continued on 17/12/20

Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5 m and above in width, in hard soil not exceeding 1.5m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50 m. after breaking of clods complete as per specifications.

SIDEDAHALLI VILLEGE

	17	30.00	0.90	2.00	-			
	1	2.00	0.90	2.00	918.00			
	25	(3.142*1.2*1.2/4)		2.00	3.60			
		Total Qty			56.55			
					978.15	cum	497.59	486718.00

17/12

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Assistant Engineer-14

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T Dasarahalli Sub-Division , BBMP

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...ments continued on 18/12/20

...viding and laying in position to required level or slope 300mm internal diameter salt ...ed stoneware pipes grade A and jointing with stiff mixture of cement mortar in ...portion of 1:1, testing of pipes and joints, including cost of materials, labour charges ...mplete as per specifications. Specification

...RAHALLI VILLEGE								
	17	30.00			510.00			
	1	2.00			2.00			
		Total Qty			**512.00**	**Mtr**	699.29	358036.00

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...ssistant Engineer-14 18/12/20

Assistant Executive Engineer 18/12
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